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ENTRY 1U SERVER PLATFORM

GT14-B8005

B8005G14V2-LE

AMD Opteron 64 | 45nm | DDR3 | HT3 HyperTransport 3.0 | 80 PLUS

Front View

Back View

Entry 1U single-socket server implementation for IPDC and general SMB applications

- Single AM3 socket supports (1) AMD Opteron™ processor 1300 series (codenamed Suzuka)
- Support (1) HyperTransport™ 3.0 link, max. bandwidth up to 17.6 GB/s @ 4.4GT/s per link
- AMD SR5650 + SP5100
- (4) 240-pin DDR3 DIMM slots support up to 16GB U-DDR3 1333/1066/800MHz memory
- (1) FH PCI-E (Gen.2) x16 slot
- (2) GbE LAN
- (2) internal 2.5" SATA-II HDDs w/ RAID 0, 1 support
- Onboard BMC w/ IPMI and iKVM support
- (1) Flex ATX 12V high-efficiency 250W PSU w/ PFC

Specifications are subject to change without notice. Items pictured may only be representative.

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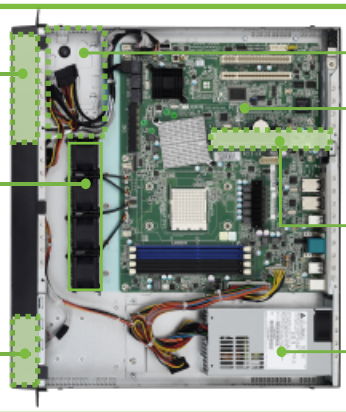
TYAN Specifications

Top View



- (2) USB v2.0 ports
- **Easy-swap system FANs** (4) 4028
- **M1017** Integrated front panel board
- **Internal HDDs Holding Bracket** Up to (2) 2.5" SATA HDDs
- **S8005GM2NR-LE** (1) AM3 socket (4) U-DDR3 1333/1066MHz Max.16GB (2) GbE ports
- **M2091** Provide (1) FH/ HL PCI-E (Gen. 2) x16 slot
- 80 PLUS Flex ATX 12V 250W PSU, 80-PLUS

System	Form Factor		1U Rackmount
	Chassis Name		GT14
	Dimension (H x W x D)		1.72" x 17.2" x 15.5" (43.6 x 436 x 393.7mm)
	Motherboard		S8005GM2NR-LE
	Gross Weight		9.8 kg
Front Panel	Buttons		(1) PWR / (1) ID
	LEDs		(1) Warning / (2) LAN / (1) HDD / (1) ID (1) PWR
	I/O Ports		(2) USB ports
External Drive Bay	Type / Q'ty		2.5" Internal / (2)
	Supported HDD Interface		SATA-II 3.0Gb/s
System Cooling Configuration	FAN		(4) 4cm fans
Power Supply	Type		Flex ATX 12V
	Input Range		Full-range AC(100-240V)
	Frequency		47 - 63 Hertz
	Output Watts		250 Watts
	Efficiency		PFC / 80-plus
Processor	Supported CPU Series		AMD Opteron™ processors 1300 series
	Socket Type / Q'ty		AM3 / (1)
	Average CPU Power (ACP) wattage		75W
	System Bus		Support (1) HyperTransport™ 3.0 link, max. bandwidth up to 17.6 GB/s @ 4.4GT/s per link
Chipset	Chipset		AMD SR5650 + SP5100
	Super I/O		Winbond W83627DHG
Memory	Supported DIMM Qty		(4) DIMM slots
	DIMM Type / Speed		DDR3 1333/1066/800 UDIMM
	Capacity		Up to 16GB RDIMM
	Memory channel		2 Channels
	Memory voltage		1.5V
Expansion Slots	PCI-E		(1) FH PCI-E Gen.2 x16 slot
	Pre-installed TYAN Riser Card		M2091, PCI-E x16 1U riser card (left)
LAN	Port Q'ty		(2)
	Controller		Intel 82574L
Storage	SATA	Controller	AMD SP5100
		Speed	3.0 Gb/s
		RAID	RAID 0/1/10/5 (AMD/ 3rd Party RAID)

Graphic	Connector type	D-Sub 15-pin
	Resolution	1600x1200@60Hz
	Chipset	Aspeed AST2050
Input /Output	USB	(7) USB2.0 ports (4 at rear, 2 at front, 1 type A onboard)
	COM	(1) DB-9 port
	PS/2	(1) PS/2 connector
	VGA	(1) D-Sub 15-pin VGA port
	RJ-45	(2) GbE ports
System Monitoring	Chipset	Winbond W83627DHG
	Voltage	Monitors voltage for CPU, memory, chipset & power supply
	Temperature	Monitors temperature for CPU & system environment
	LED (On system front	Fan fail LED indicator Over temperature warning indicator
	Others	Watchdog timer support
Server Management	Onboard Chipset	Onboard Aspeed AST2050
	AST2050 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) BIOS update USB 2.0 virtual hub
	AST2050 iKVM Feature	24-bit high quality video compression Dual 10/100 Mb/s MAC interfaces
BIOS	Brand / ROM size	AMI / 4MB
	Feature	Plug and Play (PnP) PCI2.3 /WfM2.0 /SMBIOS2.3 /PXE boot ACPI 2.0 power management Power on mode after power recovery User-configurable H/W monitoring Auto-configurable of hard disk types Multiple boot options
Operating System	OS supported list	Please refer to our OS supported list.
Regulation	FCC (DoC)	Class A
	CE (DoC)	Yes
Operating Environment	Operating Temp.	10° C ~ 35° C (50° F~ 95° F)
	Non-operating Temp.	- 40° C ~ 70° C (-40° F ~ 158° F)
	In/Non-operating Humidity	90%, non-condensing at 35° C
RoHS	RoHS 6/6 Complaint	Yes

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